

WHAT IS CLAIMED IS:

1. A recording position correction method for correcting position deviation in a sub-scanning direction crossing a main scanning direction of a recording position on a medium to be recorded, wherein an inkjet type recording apparatus performs recording on said medium to be recorded by ejecting ink from a plurality of nozzles while allowing a recording head, on which nozzle arrays comprising said plurality of nozzles provided in said sub-scanning direction are arranged in said main scanning direction, to perform scanning along at least one of forward and backward paths in said main scanning direction, comprising:

an ejection step of ejecting said ink from said plurality of nozzles onto said medium to be recorded;

a measurement step of measuring an amount of position deviation in said sub-scanning direction of an ink dot recorded; and

a correction step of previously shifting and correcting a recording position of an ink dot to be recorded on said material for each of said plurality of nozzles based on said measured amount of said position deviation.

2. A recording position correction method as claimed in claim 1, wherein said ink is ejected from at least one nozzle of each of two nozzle arrays most distanced from each other in said main scanning direction among said plurality of nozzle arrays in said ejection step, and

said recording position of said ink dot to be recorded on said material for each of said plurality of nozzles is previously shifted and corrected based on an amount of position

deviation of an ink dot ejected and recorded from said nozzle of said two nozzle arrays in said correction step.

3. A recording position correction method as claimed in claim 2, wherein said ink is further ejected from a nozzle of a nozzle array among said plurality of nozzle arrays except said two nozzle arrays in said ejection step, and

said recording position of said ink dot to be recorded on said material for each of said plurality of nozzles is previously shifted and corrected based on an amount of position deviation of an ink dot ejected and recorded from at least one nozzle of each of said two nozzle arrays and at least one nozzle of said nozzle array except said two nozzle arrays in said correction step.

4. A recording position correction method as claimed in claim 1, wherein said ink is ejected from said plurality of nozzles in order that a color of said ink from each of said nozzle arrays is different from one another in said ejection step, and

said recording position of said ink dot is previously shifted and corrected for each of said colors in said correction step.

5. A recording position correction method as claimed in claim 1, wherein said ink is ejected while said recording head performs scanning along said forward and/or backward path(s) in said main scanning direction in said ejection step, and

said recording position of said ink dot is previously shifted and corrected in said correction step based on an intermediate value between an amount of position deviation

of an ink dot ejected and recorded in case said ink is ejected while said recording head performs scanning along said forward path in said main scanning direction and an amount of position deviation of an ink dot ejected and recorded in case said ink is ejected while said recording head performs scanning along said backward path.

6. A recording position correction method as claimed in claim 1, wherein said ink is ejected while said recording head performs scanning along said forward and/or backward path(s) in said main scanning direction in said ejection step, and correction is performed in said correction step, wherein said recording position of an ink dot to be recorded along said forward path in said main scanning direction is previously shifted based on an amount of position deviation in case said recording head performs scanning along said forward path in said main scanning direction and

said recording position of an ink dot to be recorded along said backward path in said main scanning direction is previously shifted based on an amount of position deviation in case said recording head performs scanning along said backward path in said main scanning direction.

7. A recording position correction method as claimed in claim 1, wherein said ink is ejected from at least one nozzle of each of two nozzle arrays which eject said ink of two colors respectively among said plurality of nozzle arrays as priority is given to a color of which density is highest in said ejection step, and

said recording position of said ink dot to be recorded on said material for each of said plurality of nozzles is

previously shifted and corrected based on an amount of position deviation of an ink dot ejected and recorded from said nozzle of said two nozzle arrays in said correction step.

8. An inkjet type recording apparatus for performing recording on said medium to be recorded by ejecting ink from a plurality of nozzles while allowing a recording head, on which nozzle arrays comprising said plurality of nozzles provided in said sub-scanning direction are arranged in said main scanning direction, to perform scanning along at least one of forward and backward paths in said main scanning direction, comprising

a correcting unit for previously shifting and correcting a recording position of an ink dot to be recorded on said material for each of said plurality of nozzles based on an amount of position deviation in a sub-scanning direction crossing said main scanning direction of an ink dot ejected and recorded from said plurality of nozzles.

9. A computer program for correcting position deviation of an ink dot ejected and recorded from a plurality of nozzles in a sub-scanning direction crossing a main scanning direction, wherein an inkjet type recording apparatus performs recording on a medium to be recorded by ejecting ink from said plurality of nozzles while allowing a recording head, on which nozzle arrays comprising said plurality of nozzles provided in said sub-scanning direction are arranged in said main scanning direction, to perform scanning along at least one of forward and backward paths in said main scanning direction, comprising

a correction function of previously shifting and correcting a recording position of an ink dot to be recorded

on said material for each of said plurality of nozzles based on an amount of position deviation of an ink dot ejected and recorded from said plurality of nozzles in said sub-scanning direction crossing said main scanning direction.